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Application No.: 10751104  
Unknown

## INFORMATION DISCLOSURE CITATION IN AN APPLICATION

**APPLICANT:** Nigel Langford et al.

**NATIONAL STAGE ENTRY: October 12, 2004**

**GROUP ART UNIT:** Unknown

## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
JC	0 877 454 A1	11-1998	EP	<del>          </del>	<del>          </del>		
JC	43 31 847 A1	04-1004	DE	<del>          </del>	<del>          </del>		X

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

JC	Bracewell, "The Fourier Transform and its Applications," pp.177-180, 1965.
JC	Patent Abstracts of Japan, 07/27/1988, Abstract of JP 63182550
JC	Namjou et al., "Sensitive Absorption Spectroscopy with a Room Temperature Distributed Feedback Quantum Cascade Laser," Optics Letters Vo. 23, No. 3, pp. 219-221, 1998.
JC	Duxbury, "Infrared Vibraton-Rotation Spectroscopy," Chapters 5 and 9, 2000.
JC	Kosterev et al., "Trace-gas Detection in Ambient Air with a Thermoelectrically Cooled, Pulsed Quantum-Cascade Distributed Feedback Laser," Applied Optics Vo. 39, No. 36, pp. 6866-6872, 12-2000.
JC	Werle et al., "Near and Mid-Infrared Laser-Optical Sensorss for Gas Analysis," Optics and Lasers in Engineering, pp. 101-114, 2001.
JC	Webster et al., "Quantum-Cascade Laser Measurements of Stratospheric Methane and Nitrous Oxide," Applied Optics, Vol. 40, No. 3, pp. 321-326, 01-2001.
JC	Beyer et al., "Compact System for Gas-Measurements with Quantum-Cascade-Lasers," Third International Conference on Turntable Diode Laser Spectroscopy, 07-2001.
JC	Normand et al., "Characterisation of the Spectral Behaviour of Pulsed Quantum Cascade Lasers using a High Resolution Fourier Transform Infrared Spectrometer," Optics Communications, 197, pp. 115-120, 09/15/2001.
JC	Kosterev et al., "Trasportable Automated Amunonia Sensor Based on a Pulsed Thermoelectrically Cooled Quantum-Cascade Distributed Feedback Laser," Applied Optics, Vol. 41, No. 3, 01/20/2002.
	Copy of International Search Report for Application No. PCT/GB03/01510.

EXAMINER SIGNATURE

/Jonathon Cook/

DATE CONSIDERED

03/08/2007

**EXAMINER:** Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.